<u>IN THE CLAIMS</u>

Please amend the claims as follows:

1. (Currently Amended) A computer aided diagnostic system, comprising:

a sick portion detecting device configured to detect a sick portion candidate based upon a simple X-ray image acquired by a first modality; and

a correspondence displaying device configured to relate the position of the detected sick portion candidate [[on]] <u>to</u> an X-ray CT image <u>of a plurality of X-ray CT images</u> acquired by a second modality different from the first modality<u>,</u> and to display [[it,]] ~~wherein the correspondence displaying device displays~~ the X-ray CT image [[of]] <u>having</u> an axial face corresponding to a position of a <u>selected</u> mark ~~selected based upon~~ <u>that corresponds to the position of</u> the sick portion candidate displayed on the simple X-ray image.

2. (Currently Amended) A computer aided diagnostic system, comprising:

a first sick portion detecting device configured to detect a <u>first</u> sick portion candidate based upon a simple X-ray image acquired by a first modality;

a second sick portion detecting device configured to detect a <u>second</u> sick portion candidate based upon an X-ray CT image related to the same region of interest of the same subject acquired by a second modality different from the first modality; and

a detection result synthesizing device configured to compare the results of detection by the first and second sick portion detecting devices,

wherein the detection result synthesizing device compares positions of marks respectively selected based upon the <u>first and second</u> sick portion candidates respectively displayed on the simple X-ray image and on the X-ray CT image [[of]] <u>having</u> an axial face.

3. (Previously Presented) A computer aided diagnostic system according to Claim 2, comprising:

a correspondence displaying device configured to relate the position of a sick portion candidate detected by the first sick portion detecting device on an image analyzed by the second sick portion detecting device and to display it, at the same time, to relate the position of a sick portion candidate detected by the second sick portion detecting device on an image analyzed by the first sick portion detecting device and to display it.

4. (Previously Presented) A computer aided diagnostic system according to Claim 2, comprising:

a correspondence displaying device configured to display the following portion so that the portion can be identified in case the detection result synthesizing device judges that there is the portion detected as a sick portion candidate by only either of the first or second sick portion detecting device.

5-6. (Canceled)

7. (Currently Amended) A computer aided diagnostic system, comprising:

a sick portion detecting device configured to detect a sick portion candidate based upon an X-ray CT image acquired by one modality;

an image transforming device configured to transform [[the]] volume image data acquired by the one modality into a digitally reconstructed radiograph using a selected viewpoint; and

a correspondence displaying device configured to relate the position of the sick portion candidate detected by the sick portion detecting device [[on]] to the transformed

~~image~~ digitally reconstructed radiograph and to display [[it,]] ~~wherein the correspondence displaying device displays~~ the digitally reconstructed radiograph ~~transformed image~~ corresponding to a position of a selected mark ~~selected based upon~~ that corresponds to the position of the sick portion candidate displayed on the X-ray CT image [[of]] having an axial face.

8. (Currently Amended) A computer aided diagnostic system, comprising:

an image transforming device configured to transform an ~~X-ray CT~~ volume image data acquired by one modality into a digitally reconstructed radiograph using a selected viewpoint;

a sick portion detecting device configured to detect a sick portion candidate based upon the ~~transformed image~~ digitally reconstructed radiograph; and

a correspondence displaying device configured to relate the position of the sick portion candidate detected by the sick portion detecting device ~~on the~~ to an X-ray CT image acquired by the one modality and to display [[it,]] ~~wherein the correspondence displaying device displays~~ the X-ray CT image [[of]] having an axial face corresponding to a position of a selected mark that corresponds to the position of ~~selected based upon~~ the ~~size~~ sick portion candidate displayed on the ~~transformed image~~ digitally reconstructed radiograph.

9. (Currently Amended) A computer aided diagnostic system, comprising:

a first sick portion detecting device configured to detect a first sick portion candidate based upon an X-ray CT image acquired by one modality;

an image transforming device configured to transform [[the]] volume image data acquired by the one modality into a digitally reconstructed radiograph using a selected viewpoint;

a second sick portion detecting device configured to detect a <u>second</u> sick portion

candidate based upon the ~~transformed image~~ <u>digitally reconstructed radiograph</u>; and

a detection result synthesizing device configured to compare the results of detection

by the first and second sick portion detecting devices,

wherein the detection result synthesizing device compares positions of marks

respectively selected based upon the <u>first and second</u> sick portion candidates respectively

displayed on the X-ray CT image [[of]] <u>having</u> an axial face and on the ~~transformed image~~

<u>digitally reconstructed radiograph</u>.

10. (Previously Presented) A computer aided diagnostic system according to Claim 9,

comprising:

a correspondence displaying device configured to relate the position of a sick portion

candidate detected by the first sick portion detecting device on an image analyzed by the

second sick portion detecting device and to display it, at the same time, to relate the position

of a sick portion candidate detected by the second sick portion detecting device on an image

analyzed by the first sick portion detecting device and to display it.

11. (Previously Presented) A computer aided diagnostic system according to Claim 9,

comprising:

a correspondence displaying device configured to display the following portion so

that the portion can be identified in case the detection result synthesizing device judges that

there is the portion detected as a sick portion candidate by only either of the first or second

sick portion detecting device.

12-13. (Canceled)

14. (Currently Amended) A computer aided diagnostic system, comprising:

a sick portion detecting device configured to detect a sick portion candidate based

upon plural X-ray CT images acquired by a modality;

an image reconfiguring device configured to reconfigure an image based upon

stereoscopic image data including the plural X-ray CT images acquired by the modality; and

a correspondence displaying device configured to relate the position of the sick

portion candidate detected by the sick portion detecting device [[on]] to the reconfigured

image and to display [[it,]] wherein the correspondence displaying device displays the

reconfigured image corresponding to a position of a selected mark selected based upon that

corresponds to the position of the sick portion candidate displayed on the X-ray CT image

[[of]] having an axial face.

15. (Currently Amended) A computer aided diagnostic system, comprising:

an image reconfiguring device configured to reconfigure an image based upon

stereoscopic image data acquired by a modality which can sense plural X-ray CT images;

a sick portion detecting device configured to detect a sick portion candidate based

upon the reconfigured image; and

a correspondence displaying device configured to relate the position of the sick

portion candidate detected by the sick portion detecting device [[on]] to the X-ray CT image

acquired by the modality and to display [[it,]] wherein the correspondence displaying device

displays the X-ray CT image [[of]] having an axial face corresponding to a position of a

selected mark selected based upon that corresponds to the position of the sick portion

candidate displayed on the reconfigured image.

16. (Currently Amended) A computer aided diagnostic system, comprising:

a first sick portion detecting device configured to detect a <u>first</u> sick portion candidate based upon plural X-ray CT images acquired by a modality;

an image reconfiguring device configured to reconfigure an image based upon stereoscopic image data including the plural X-ray CT images acquired by the modality;

a second sick portion detecting device configured to detect a <u>second</u> sick portion candidate based upon the reconfigured image; and

a detection result synthesizing device configured to compare the results of detection by the first and second sick portion detecting devices,

wherein the detection result synthesizing device compares positions of marks respectively selected based upon the <u>first and second</u> sick portion candidates respectively displayed on the X-ray CT image [[of]] <u>having</u> an axial face and on the reconfigured image.

17. (Previously Presented) A computer aided diagnostic system according to Claim 16, comprising:

a correspondence displaying device configured to relate the position of a sick portion candidate detected by the first sick portion detecting device on an image analyzed by the second sick portion detecting device and to display, at the same time, to relate the position of a sick portion candidate detected by the second sick portion detecting device on an image analyzed by the first sick portion detecting device and to display it.

18. (Previously Presented) A computer aided diagnostic system according to Claim 16, comprising:

a correspondence displaying device configured to display the following portion so that the portion can be identified in case the detection result synthesizing device judges that

there is the portion detected as a sick portion candidate by only either of the first or second

sick portion detecting device.

19. (Currently Amended) A computer aided diagnostic system according to Claim 14,

wherein:

the modality is X-ray CT;

an image analyzed by the sick portion detecting device is plural axial images

reconfigured by the X-ray CT; and

the image reconfiguring device generates a digitally reconstructed radiograph based

upon the plural axial images.

20. (Currently Amended) A computer aided diagnostic system according to Claim 14,

wherein:

the modality is X-ray CT;

an image analyzed by the sick portion detecting device is plural axial images

reconfigured by the X-ray CT; and

the image reconfiguring device generates an MPR image based upon the plural axial

images.

21. (Currently Amended) A computer aided diagnosing method, comprising:

detecting a sick portion candidate based upon a simple X-ray image acquired by a first

modality; and

relating the position of the detected sick portion candidate [[on]] to an X-ray CT

image of a plurality of X-ray CT images acquired by a second modality different from the

first modality; and

displaying [[it,]] ~~wherein~~ the X-ray CT image [[of]] <u>having</u> an axial face corresponding to a position of a <u>selected</u> mark ~~selected based upon~~ <u>that corresponds to the position of</u> the sick portion candidate displayed on the simple X-ray image ~~is displayed~~.

22. (Currently Amended) A computer aided diagnosing method, comprising:

detecting a <u>first</u> sick portion candidate based upon a simple X-ray image acquired by a first modality;

detecting a <u>second</u> sick portion candidate based upon an X-ray CT image related to the same region of interest of the same subject acquired by a second modality different from the first modality; and

comparing the results of detection at the first and second detecting,

wherein positions of marks respectively selected based upon the <u>first and second</u> sick portion candidates respectively displayed on the simple X-ray image and on the X-ray CT image [[of]] <u>having</u> an axial face are compared.

23. (Currently Amended) A computer aided diagnosing method, comprising:

detecting a sick portion candidate based upon an X-ray CT image acquired by one modality;

transforming [[the]] <u>volume</u> image <u>data</u> acquired by the <u>one</u> modality <u>into a digitally reconstructed radiograph using a selected viewpoint</u>; and

relating the position of the sick portion candidate detected [[on]] <u>to</u> the <u>digitally reconstructed radiograph</u> ~~transformed image~~ and displaying [[it,]] ~~wherein~~ the <u>digitally reconstructed radiograph</u> ~~transformed image~~ corresponding to a position of a <u>selected</u> mark ~~selected based upon~~ <u>that corresponds to the position of</u> the sick portion candidate displayed on the X-ray CT image [[of]] <u>having</u> an axial face ~~is displayed~~.

24. (Currently Amended) A computer aided diagnosing method, comprising:

transforming ~~an X-ray CT~~ volume image data acquired by one modality into a digitally reconstructed radiograph using a selected viewpoint;

detecting a sick portion candidate based upon the digitally reconstructed radiograph ~~transformed image~~; and

relating the position of the sick portion candidate detected at the sick portion detecting [[on the]] to an X-ray CT image acquired by the one modality and displaying [[it,]] ~~wherein~~ the X-ray CT image [[of]] having an axial face corresponding to a position of a selected mark ~~selected based upon~~ that corresponds to a position of the sick portion candidate displayed on the digitally reconstructed radiograph ~~transformed image is displayed~~.

25. (Currently Amended) A computer aided diagnosing method, comprising:

detecting a first sick portion candidate based upon an X-ray CT image acquired by one modality;

transforming ~~the image~~ volume image data acquired by the one modality into a digitally reconstructed radiograph using a selected viewpoint;

detecting a second sick portion candidate based upon the digitally reconstructed radiograph ~~transformed image~~; and

comparing the results of detection at the first and second sick portion detecting,

wherein positions of marks respectively selected based upon the first and second sick portion candidates respectively displayed on the X-ray CT image [[of]] having an axial face and on the digitally reconstructed radiograph ~~transformed image~~ are compared.

26. (Currently Amended) A computer aided diagnosing method, comprising:

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detecting a sick portion candidate based upon plural X-ray CT images acquired by a modality;

reconfiguring an image based upon stereoscopic image data including the plural X-ray CT images acquired by the modality; and

relating the position of the sick portion candidate detected at the sick portion detecting on the reconfigured image and displaying [[it,]] ~~wherein~~ the reconfigured image corresponding to a position of a <u>selected</u> mark <u>that corresponds to the position of</u> ~~selected~~ ~~based upon~~ the sick portion candidate displayed on the X-ray CT image [[of]] <u>having</u> an axial face ~~is displayed~~.

27. (Currently Amended) A computer aided diagnosing method, comprising:

reconfiguring an image based upon stereoscopic image data acquired by a modality which can sense plural X-ray CT images;

detecting a sick portion candidate based upon the reconfigured image; and

relating the position of the sick portion candidate detected at the sick portion detecting [[on]] <u>to</u> the X-ray CT image acquired by the modality and displaying [[it,]] ~~wherein~~ the X-ray CT image [[of]] <u>having</u> an axial face corresponding to a position of a <u>selected</u> mark ~~selected based upon~~ <u>that corresponds to the position of</u> the sick portion candidate displayed on the reconfigured image ~~is displayed~~.

28. (Currently Amended) A computer aided diagnosing method, comprising:

detecting a <u>first</u> sick portion candidate based upon plural X-ray CT images acquired ~~bar~~ by a modality;

reconfiguring an image based upon stereoscopic image data including the plural X-ray CT images acquired by the modality;

detecting a second sick portion candidate based upon the reconfigured image; and

comparing the results of detection at the first and second sick portion detecting,

wherein positions of marks respectively selected [[base]] based upon the first and

second sick portion candidates respectively displayed on the X-ray CT image [[of]] having an

axial face and on the reconfigured image are compared.

29. (Currently Amended) The computer aided diagnostic system according to Claim

2, further comprising:

a correspondence displaying device configured to cause [[the]] a mark displayed

when [[the]] a sick portion candidate is detected on only one image among the simple X-ray

image and the X-ray CT image to be different from marks respectively displayed when the

first and second sick portion candidate is candidates are detected on both images.

30. (Currently Amended) The computer aided diagnostic system according to Claim

9, further comprising:

a correspondence displaying device configured to cause [[the]] a mark displayed

when [[the]] a sick portion candidate is detected on only one image among the X-ray CT

image and the digitally reconstructed radiograph transformed image to be different from

marks respectively displayed when the first and second sick portion candidate is candidates

are detected on both images.

31. (Currently Amended): The computer aided diagnostic system according to Claim

16, further comprising:

a correspondence displaying device configured to cause [[the]] a mark displayed

when [[the]] a sick portion candidate is detected on only one image among the X-ray CT

image and the reconfigured image to be different from marks respectively displayed when the first and second sick portion ~~candidate is~~ candidates are detected on both images.

32. (Currently Amended) The computer aided diagnosing method according to Claim 22, further comprising:

displaying a mark when [[the]] a sick portion candidate is detected on only one image among the simple X-ray image and the X-ray CT image that is different from marks respectively displayed when the first and second sick portion ~~candidate is~~ candidates are detected on both images.

33. (Currently Amended) The computer aided diagnosing method according to Claim 25, further comprising:

displaying a mark when [[the]] a sick portion candidate is detected on only one image among the X-ray CT image and the digitally reconstructed radiograph ~~transformed image~~ that is different from marks respectively displayed when the first and second sick portion ~~candidate is~~ candidates are detected on both images.

34. (Currently Amended) The computer aided diagnosing method according to Claim 28, further comprising:

displaying a mark when [[the]] a sick portion candidate is detected on only one image among the X-ray CT image and the reconfigured image that is different from marks respectively displayed when the first and second sick portion ~~candidate is~~ candidates are detected on both images.

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